

# ABSTRACT

A code is produce for use in scrambling or descrambling data associated with a high speed shared control channel (HS-SSCH) for a particular user equipment. A user identification of the particular user equipment comprises L bits. A  $\frac{1}{2}$  rate convolutional encoder processes at least the bits of the user identification by a  $\frac{1}{2}$  rate convolutional code to produce the code.